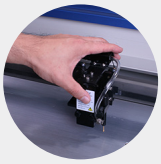
GCC LASER ENGRAVER
MERCURY 3 (FF-MAC108)
STABLE, HIGH-QUALITY ENGRAVINGS

RF METAL TUBE LASERS









| OVERVIEW |

The GCC LaserPro Mercury III delivers stable, high-quality engraving. Its closed-loop DC servo motor ensures fast lens carriage movement while maintaining long-term precision to deliver stable and reliable engraving results.

Mercury III CO2 laser engraver is reinforced with new features, including key switch, user-friendly control panel, and SmartCENTER which brings you the best way for laser engraving.

| KEY FEATURES |

- RoHS Compliance
- Flexible 3D and Stamp Engraving
- Closed-loop DC Servo Motor
- AutoFocus (Patented)
- Pass-through Front to Rear Doors (Optional)
- Drag-N-Play
- Easy to Use Control Panel
- Key Switch Emergency Stop
- Bridge Cutting

| OPTIONAL ITEMS |

- Rotary Attachment
- SmartTOOL™
- Air Compressor
- SmartGUARD™ Fire Alarm (Patented)
- Honeycomb Table
- SmartPRINT™
- Entry-Level Fume Extraction System
- External Interface Control Board
- SmartAIR™ Fine Nozzle
- AAS Contour Cutting Device

Dimensions

Product Dimensions:	1125 x 720 x 1005 mm
Max Part Size	685 x 482 x 165 mm (all doors closed)
Max Part Size	685 x ∞ x 165 mm(all doors open)
Table Size	790 x 530 mm
Work Area	635 x 458 mm

Technical Specification

Laser Source	12, 30, 40, 60, 80W Sealed CO2 Laser
Cooling	Air-cooled, Operating environment temperature 15°- 30°C (60°- 86°F)
Drive	Closed-loop DC Servo Control
Speed Control**	Adjustable from 0.1~100% of 42 IPS
Power Control**	Adjustable from 1-100%
Engraving Capability	256-level gray scale image processing capability
Distance Accuracy	0.254 mm or 0.1% of move, whichever is greater
Z-Axis Movement	Automatic
Focus Lens	Standard 2.0", optional 1.5", 2.5", & 4.0" available
Resolution (DPI)	125, 250, 300, 380, 500, 600,760,1000, 1500
Computer Interface	10 Base-T Ethernet USB Type-A 2.0 – For USB storage (Max. 32GB capacity, FAT file system) USB Type-B 2.0 – For connecting with the comp.
Operating Systems	MS Windows
Display Panel	4-line LCD panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus.
Safety	Class 1 Laser Product Compliant with EN60825 Class 2 Laser Product Compliant with CDRH 2006/42/EC Machinery Directive Compliance Class 4 Laser Product Compliant with CDRH with the optional pass-through door module
Features Standard	Auto Focus, Red Dot Pointer, Pass Through Doors, 3D and Stamp mode
Operation Voltage	100-240VAC, 50-60Hz Auto Switching, Max. 15A
Fume Extraction System	External exhaust system with minimum flow rate 640m3/h (CFM 377 ft3/min) is required,2.3kPA negative pressure

** Speed is not equal to throughput.*
*** Up to 16 colour linked power settings per job*

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Engineering Equipment for Education

* Images are for reference only and may differ from the final product
** Flamefast reserves the right to change product specification without prior notice

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